

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 December 2004 (16.12.2004)

PCT

(10) International Publication Number  
**WO 2004/108351 A3**

(51) International Patent Classification<sup>7</sup>: **B24B 7/18**

(21) International Application Number:  
PCT/SE2004/000904

(22) International Filing Date: 10 June 2004 (10.06.2004)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:  
0301710-0 11 June 2003 (11.06.2003) SE

(71) Applicant (for all designated States except US): **HTC SWEDEN AB** [SE/SE]; Box 69, S-614 22 Söderköping (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **THYSELL, Håkan** [SE/SE]; Ågatan 25 A, S-614 34 Söderköping (SE).

(74) Agent: **AWAPATENT I LINKÖPING AB**; Platensgatan 9 C, S-582 20 Linköping (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

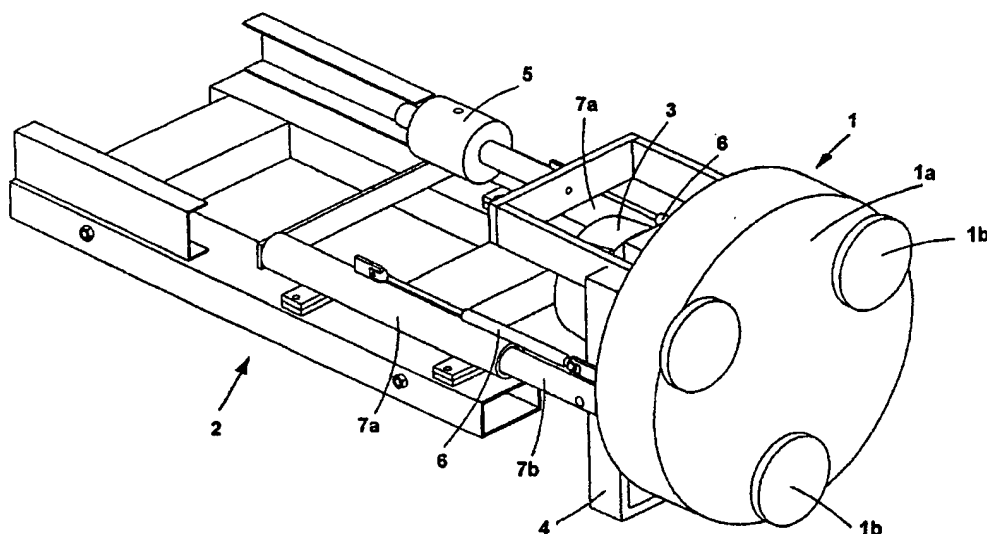
Published:

— with international search report

(88) Date of publication of the international search report:  
17 February 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **ABRADING DEVICE**



(57) Abstract: The invention concerns a device for abrading a wall of stone or concrete material. The invention comprises a shell (2) with which is operationally connected an abrading head (1), and a carriage intended to move at least along the surface and support the shell (2) movably so that the abrading head (1) by means of the movement of the shell (2) performs an upward and downward abrading movement. The abrading head (1) is of the type which has a rotatably mounted and driven planet wheel with a number of driven abrading discs rotatably mounted thereon and fitted with abrading elements. The device has an element for placing the abrading head (1) with a predeterminable force against the surface to be abraded.

WO 2004/108351 A3

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 December 2004 (16.12.2004)

PCT

(10) International Publication Number  
**WO 2004/108351 A2**

- (51) International Patent Classification<sup>7</sup>: **B24B**
- (21) International Application Number:  
PCT/SE2004/000904
- (22) International Filing Date: 10 June 2004 (10.06.2004)
- (25) Filing Language: Swedish
- (26) Publication Language: English
- (30) Priority Data:  
0301710-0 11 June 2003 (11.06.2003) SE
- (71) Applicant (for all designated States except US): HTC  
SWEDEN AB [SE/SE]; Box 69, S-614 22 Söderköping  
(SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): THYSELL, Håkan  
[SE/SE]; Ågatan 25 A, S-614 34 Söderköping (SE).
- (74) Agent: AWAPATENT I LINKÖPING AB; Platensgatan  
9 C, S-582 20 Linköping (SE).

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

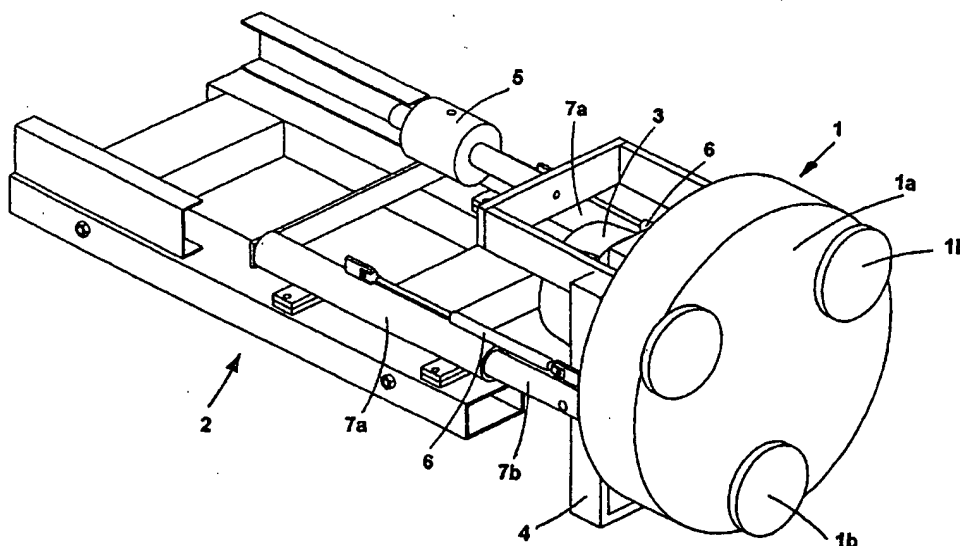
- (84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: ABRADING DEVICE



(57) Abstract: The invention concerns a device for abrading a wall of stone or concrete material. The invention comprises a shell (2) with which is operationally connected an abrading head (1), and a carriage intended to move at least along the surface and support the shell (2) movably so that the abrading head (1) by means of the movement of the shell (2) performs an upward and downward abrading movement. The abrading head (1) is of the type which has a rotatably mounted and driven planet wheel with a number of driven abrading discs rotatably mounted thereon and fitted with abrading elements. The device has an element for placing the abrading head (1) with a predeterminable force against the surface to be abraded.

WO 2004/108351 A2